0500

PAGE: 1

RAW SEQUENCE LISTING PATENT APPLICATION US/09/428,082

DATE: 11/10/1999 TIME: 15:05:27

Input Set: 1428082.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

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PATENT APPLICATION US/09/428,082 DATE: 11/10/1999 TIME: 15:05:27 PAGE: 2

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214		Val	Asp	_	ser	Arg	Trp	GIn		GIĀ	Asn	vaı	Pne	Ser	Cys	ser	vaı	
215		34-4	774	195	77.	T	77.5 ~	7 ~~	200	///	mh w	01 ~	T	205	T 011	Com	T 011	
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217		Cor	210	C111	Tara	Clar	Cl _v		Gl v	Gl ₃₂	Tla	Glu		Pro	Thr	T.e.ii	Δνα	
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220			Trn	T. e 11	Δla	Δla	Arg	Δla				233					210	
221		GIII	115	БСи	ALG	245	**** 9	mi										
222	<210>	SEO	TD I	VO 7										•				
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226	<220>	FEA:	TURE	:				_										
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228	<220>	FEA:	TURE	:														
229	<221>	MAN	E/KE	Y: CI	os													
230	<222>	LOC	OITA	1: (39).	. (84:	2)											
231	<400>	_																
232		tcta	agati	ttg 1	tttta	aacta	aa t	taaa	ggag	g aat	caaca						ac aca	
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238 239								_	_			_		tcc Ser				134
239		пец	rne	25	P10	пув	PIO	ոչ	Asp 30	TIII	π c α	MEL	TTE	35	wrA	TIIT	FIO	
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241			-		_	-	_							Asp				200
243		GIU	40	****	CYB	VUL	var	45	Top	VAI	501		50		-10	u		
		aaσ		aac	taa	tac	ata		aac	ata	gag	qta		aat	qcc	aag	aca	248
se Note:	1.	~~9			-55		2~3	5	22~	5-3	J-3	J ~ 3				-		

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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VERIFICATION SUMMARY PATENT APPLICATION US/09/428,082 TIME: 15:05:27

DATE: 11/10/1999

Line ? E	Error/Warning	Original Text
	'N" or "Xaa" used: Feature required	Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu A
	'N" or "Xaa" used: Feature required	Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu A
	'N" or "Xaa" used: Feature required	Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu A
	'N" or "Xaa" used: Feature required	Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu A
	'N" or "Xaa" used: Feature required	Xaa Ile Glu Gly Pro Thr Leu Arg Gln Trp L
	'N" or "Xaa" used: Feature required	Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu A Xaa Ile Glu Gly Pro Thr Leu Arg Gln Trp L
	"N" or "Xaa" used: Feature required 'N" or "Xaa" used: Feature required	Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu A
	'N" or "Xaa" used: Feature required	Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu A
	'N" or "Xaa" used: Feature required	Val Arg Asp Gln Ile Xaa Xaa Xaa Leu
	'N" or "Xaa" used: Feature required	Gly Arg Val Arg Asp Gln Ile Xaa Xaa Xaa L
	'N" or "Xaa" used: Feature required	Cys Thr Leu Arg Glu Trp Leu Xaa Xaa Cys
	'N" or "Xaa" used: Feature required	Cys Thr Leu Arg Glu Trp Leu Xaa Xaa Xaa C
	'N" or "Xaa" used: Feature required	Cys Thr Leu Arg Glu Trp Leu Xaa Xaa X
	'N" or "Xaa" used: Feature required	Cys Thr Leu Arg Glu Trp Leu Xaa Xaa X
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	'N" or "Xaa" used: Feature required	Cys Xaa Glu Gly Pro Thr Leu Arg Glu Trp L
	'N" or "Xaa" used: Feature required	Cys Xaa Xaa Glu Gly Pro Thr Leu Arg Glu T
	'N" or "Xaa" used: Feature required	Cys Xaa Glu Gly Pro Thr Leu Arg Glu Trp L
	'N" or "Xaa" used: Feature required	Cys Xaa Xaa Glu Gly Pro Thr Leu Arg Glu T
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1649 W "	'N" or "Xaa" used: Feature required	Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp X
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	'N" or "Xaa" used: Feature required	Pro Gln Gly Gly Ser Ser Lys Xaa Gly Gly T
	'N" or "Xaa" used: Feature required	Glu Glu Asp Xaa Lys
	'N" or "Xaa" used: Feature required	Xaa Glu Asp Xaa Lys
	'N" or "Xaa" used: Feature required	Xaa Ser Asp Xaa Lys
	'N" or "Xaa" used: Feature required	Glu Glu Asp Cys Lys Xaa Glu Glu Asp Cys L
	'N" or "Xaa" used: Feature required 'N" or "Xaa" used: Feature required	Glu Glu Asp Xaa Lys Xaa Glu Glu Asp Xaa L Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa X
	'N" or "Xaa" used: Feature required	Xaa Xaa Xaa Thr Trp Xaa Xaa Xaa Xaa X
	'N" or "Xaa" used: Feature required	Xaa Xaa Xaa Xaa Xaa
	'N" or "Xaa" used: Feature required	Pro Xaa Phe Xaa Asp Tyr Trp Xaa Xaa Leu
	'N" or "Xaa" used: Feature required	Xaa Xaa Xaa Gln Xaa Tyr Xaa Xaa Xaa
	'N" or "Xaa" used: Feature required	Phe Glu Trp Thr Pro Gly Trp Tyr Gln Xaa T
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3225 W "	N" or "Xaa" used: Feature required	Phe Glu Trp Val Pro Gly Tyr Trp Gln Xaa T
3237 W "	N" or "Xaa" used: Feature required	Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa T
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	N" or "Xaa" used: Feature required	Phe Glu Trp Thr Xaa Val Tyr Trp Gln Xaa T
3337 W "	N" or "Xaa" used: Feature required	Phe Glu Trp Thr Xaa Gly Tyr Trp Gln Xaa T

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3351 W	"N"	or	"Xaa"	used:	Feature	required	ļ	Phe	Glu	Trp	Thr	Pro	Xaa	Tyr	\mathtt{Trp}	${\tt Gln}$	Xaa	T
3365 W	"N"	or	"Xaa"	used:	Feature	required	ļ	Phe	Glu	Trp	Thr	Xaa	Gly	Tyr	Trp	Gln	Xaa	T
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						required		Phe	Glu	Trp	Thr	Pro	Gly	\mathtt{Trp}	Tyr	Gln	Xaa	T
						required		Phe	Glu	\mathtt{Trp}	Thr	Pro	Gly	\mathtt{Trp}	Xaa	Gln	Xaa	T
3450 W	"N"	or	"Xaa"	used:	Feature	required		Phe	Ala	Trp	Thr	Pro	Gly	\mathtt{Tyr}	\mathtt{Trp}	Gln	Xaa	T
3464 W	"N"	or	"Xaa"	used:	Feature	required		Phe	Glu	\mathtt{Trp}	Ala	Pro	Gly	Tyr	\mathtt{Trp}	Gln	Xaa	T
3478 W	"N"	or	"Xaa"	used:	Feature	required				_			_	_	_		Xaa	
						required				_			_	_	_		Xaa	
						required		Xaa	Glu	Trp	Thr	Pro	Gly	Tyr	Trp	Gln	Xaa	T
						required		Phe	Glu	Trp	Thr	Pro	Ala	Trp	Tyr	Gln	Xaa	T
						required		Phe	Glu	Trp	Thr	Pro	Xaa	\mathtt{Trp}	Tyr	Gln	Xaa	T
						required		Phe	Glu	\mathtt{Trp}	Thr	Pro	Val	Tyr	Trp	Gln	Xaa	T
						required		Phe	Glu	Trp	Thr	Xaa	Gly	Tyr	Trp	Gln	Xaa	T
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10785 W "N" or "Xaa" used: Peature required 10807 W "N" or "Xaa" used: Peature required 10851 W "N" or "Xaa" used: Peature required 10851 W "N" or "Xaa" used: Peature required 10851 W "N" or "Xaa" used: Peature required 10902 W "N" or "Xaa" used: Peature required 1007 W "N" or "Xaa" used: Peature required 1007 W "N" or "Xaa" used: Feature required 11007 W "N" or "Xaa" used: Feature required 11007 W "N" or "Xaa" used: Feature required 11041 W "N" or "Xaa" used: Feature required 11055 W "N" or "Xaa" used: Feature required 11065 W "N" or "Xaa" used: Feature required 11066 W "N" or "Xaa" used: Feature required 11070 W "N" or "Xaa" use							_			_		-						
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10851 W "N" or "Xaa" used: Feature required 10902 W "N" or "Xaa" used: Feature required 11007 W "N" or "Xaa" used: Feature required 11053 W "N" or "Xaa" used: Feature required 11065 W "N" or "Xaa" used: Feature required 11067 W "N" or "Xaa" used: Feature required 11089 W "N" or "Xaa" used: Feature required 11089 W "N" or "Xaa" used: Feature required 11133 W "N" or "Xaa" used: Feature required 11131 W "N" or "Xaa" used: Feature required 1113 W "N" or "Xaa" used: Feature required 11149 W "N" or "Xaa" used: Feature required 11169 W "N" or "Xaa" used: Feature required 11160 W "N" or "Xaa" used: Feature required 11175 W "N" or "Xaa" used: Feature required 11189 W "N" or "Xaa" used: Feature required 11190 W "N" or "Xaa" used: Feature required 11116 W "N" or "Xaa" used: Feature required 1116 W "N" or "Xaa" used: Feature required 1116 W "N" or "Xaa" used: Feature required 1117 W "N" or "Xaa" used: Feature required 1118 W "N" or "Xaa" used: Feature required 1119 W "N" or "Xaa" used: Feature required 1120 W "N" or "Xaa" used: Feature required 1121 W "N" or "Xaa" used: Feature required 1122 W "N" or "Xaa" used: Feature required 1123 W "N" or "Xaa" used: Feature required 1124 W "N" or "Xaa" used: Feature required 1126 W "N" or "Xaa" used: Feature required 1127 W "N" or "Xaa" used: Feature required 1128 W "N" or "Xaa" used: Feature required 1129 W "N" or "Xaa" used: Feature required 1120 W "N" or "Xaa" used: Feature required 1120 W "N" or "Xaa" used: Feature required 1120 W "N" or "Xaa" used: Feature required 1121 W "N" or "Xaa" used: Feature required 1122 W "N" or "Xaa" used: Feature required 1123 W "N" or "Xaa" used: Feature required 1124 W "N" or "Xaa" used: Feature required 1126 W "N" or "Xaa" used: Feature required 1127 W "N" or "Xaa" used: Feature required 1128 W "N" or "Xaa" used: Feature required 1129 W "N" or "Xaa" used: Feature required 1120 W "N" or "Xaa" used: Feature required 1120							_			_			_	_	_			
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10974 W "N" or "Xaa" used: Feature required 110079 W "N" or "Xaa" used: Feature required 110039 W "N" or "Xaa" used: Feature required 1105130 W "N" or "Xaa" used: Feature required 110653 W "N" or "Xaa" used: Feature required 110655 W "N" or "Xaa" used: Feature required 110676 W "N" or "Xaa" used: Feature required 110770 W "N" or "Xaa" used: Feature required 111018 W "N" or "Xaa" used: Feature required 111131 W "N" or "Xaa" used: Feature required 111131 W "N" or "Xaa" used: Feature required 111131 W "N" or "Xaa" used: Feature required 1111370 W "N" or "Xaa" used: Feature required 11169 W "N" or "Xaa" used: Feature required 11169 W "N" or "Xaa" used: Feature required 11169 W "N" or "Xaa" used: Feature required 11160 W "N" or "Xaa" used: Feature required 1120 W "N" or "Xaa" used: Feature required 11218 W "N" or "Xaa" used: Feature required 11224 W "N" or "Xaa" used: Feature required 11236 W "N" or "Xaa" used: Feature required 11236 W "N" or "Xaa" used: Feature required 11238 W "N" or "Xaa" used: Feature required 11239 W "N" or "Xaa" used: Feature required 11230 W "N" or "Xaa" used: Feature required 11231 W "N" or "Xaa" used: Feature required 11234 W "N" or "Xaa" used: Feature required 11236 W "N" or "Xaa" used: Feature required 11236 W "N" or "Xaa" used: Feature required 11237 W "N" or "Xaa" used: Feature required 11238 W "N" or "Xaa" used: Feature required 11239 W "N" or "Xaa" used: Feature required 11240 W "N" or "Xaa" used: Feature required 11240 W "N" or "Xaa" used: Feature required 11250 W "							_											
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11089 W NN" or "Xaa" used: Feature required Phe Glu Trp Thr Ala Gly Tyr Trp Gln Xaa T 11113 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Ala Tyr Trp Gln Xaa T 11137 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Ala Trp Gln Xaa T 11137 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Tyr Ala Gln Xaa T 11137 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa T 11163 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa T 11163 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa T 1120 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Kaa Tyr Trp Gln Xaa T 11218 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Tyr Trp Gln Xaa T 1122 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa T 11284 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa T 11218 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Trp Tyr Gln Xaa T 11210 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Val Trp Gln Xaa T 11214 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Val Trp Gln Xaa T 11312 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Val Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Val Trp Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature Tequired Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11314 W "N" or "Xaa" used: Feature Tequired Phe Glu Trp Thr Pro Gly Trp Tr													_	_	_			
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11113 W "N" or "Xaa" used: Feature required 11125 W "N" or "Xaa" used: Feature required 11137 W "N" or "Xaa" used: Feature required 11137 W "N" or "Xaa" used: Feature required 11163 W "N" or "Xaa" used: Feature required 11175 W "N" or "Xaa" used: Feature required 11189 W "N" or "Xaa" used: Feature required 11218 W "N" or "Xaa" used: Feature required 11258 W "N" or "Xaa" used: Feature required 11218 W "N" or "Xaa" used: Feature required 11219 W "N" or "Xaa" used: Feature required 11210 W "N" or "Xaa" u							<u>-</u>			_			_	_	_			
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11137 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa T 11163 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa T 11175 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Tyr Trp Gln Xaa T 11204 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Roll Trp Thr Roll Trp Thr Roll Trp Trp Gln Xaa Trp Trp Gln Xaa T 11218 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Trp Trp Gln Xaa T 11218 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Trp Trp Gln Xaa T 11218 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Trp Trp Gln Xaa T 11224 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Xaa Trp Trp Gln Xaa T 11270 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Asn Trp Trp Gln Xaa T 11284 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Asn Trp Trp Gln Xaa T 11284 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11312 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11312 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11348 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11360 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11360 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11360 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11360 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11360 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11360 W "N" Or "Xaa" used: Feature required Phe Glu Trp Thr Pro Gly Trp Trp Gln Xaa T 11360 W "N" Or "Xaa" used: Feature re							-			_			-		_			
11149 W "N" or "Xaa" used: Feature required 11163 W "N" or "Xaa" used: Feature required 11175 W "N" or "Xaa" used: Feature required 11175 W "N" or "Xaa" used: Feature required 11218 W "N" or "Xaa" used: Feature required 1122 W "N" or "Xaa" used: Feature required 1124 W "N" or "Xaa" used: Feature required 11270 W "N" or "Xaa" used: Feature required 1128 W "N" or "Xaa" used: Feature required 1129 W "N" or "Xaa" used: Feature required 1129 W "N" or "Xaa" used: Feature required 1129 W "N" or "Xaa" used: Feature required 11312 W "N" or "Xaa" used: Feature required 11312 W "N" or "Xaa" used: Feature required 11336 W "N" or "Xaa" used: Feature required 11360 W "N" or "Xaa" used: Feature required 11370 W "N" or "Xaa" used: Feature required 11384 W "N" or "Xaa" used: Feature required 11396 W "N" or "Xaa" used: Feature required 11397 W "N" or "Xaa" used: Feature required 11398 W "N" or "Xaa" used: Feature required 11399 W "N" or "Xaa" used: Feature required 11408 W "N" or "Xaa" used: Feature required 11408 W "N" or "Xaa" used: Feature required 11408 W "N" or "Xaa" used: Feature required 11409 W "N" or "Xaa" used: F							-			_			_	_				
11163 W "N" or "Xaa" used: Feature required							-			_			_	_	_			
11175 W "N" or "Xaa" used: Feature required							-			-		_	_	_	_			
11189 W "N" or "Xaa" used: Feature required Phe Glu Trp Thr Yaa Gly Tyr Trp Gln Xaa T							_			-			_	_	_			
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VERIFICATION SUMMARY PATENT APPLICATION US/09/428,082 DATE: 11/10/1999 TIME: 15:05:27

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11605	W	"N"	or	"Xaa"	used:	Feature	required			_			_	_	_		Xaa	
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13599	W	"N"	or	"Xaa"	used:	Feature	required	Cys	Leu	Arg	Ser	Gly	Xaa	Gly	Cys			
13609	W	"N"	or	"Xaa"	used:	Feature	required	Cys	Xaa	Xaa	His	\mathtt{Trp}	Gly	Phe	Xaa	Xaa	Cys	
13619	W	"N"	or	"Xaa"	used:	Feature	required	Cys	Xaa	Pro	Xaa	Cys						
13804	W	Inva	alio	l/Miss	ing Am:	ino Acid	Numbering	1				5					10	